

DERWENT-ACC-NO: 1992-357667

DERWENT-WEEK: 199244

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TITLE: Electromagnetic device for projecting weft
across loom - uses solenoid coils on each side of loom and
permanent magnet on shuttle or weft carrier

INVENTOR: DE CARVALHO, D E

PATENT-ASSIGNEE: DE CARVALHO D E [DCARI]

PRIORITY-DATA: 1991BR-0000538 (February 5, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
BR 9100538 A	September 29, 1992	N/A
019 D03D 047/27		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
BR 9100538A	N/A	1991BR-0000538
February 5, 1991		

INT-CL (IPC): D03D047/27

ABSTRACTED-PUB-NO: BR 9100538A

BASIC-ABSTRACT:

The system replaces mechanical means using projectiles, grippers or air jets, by solenoid coils creating magnetic fields to project the shuttle or gripper, provided with a permanent magnet, or merely the weft thread carrying a magnetic tip. The movement is controlled electronically, giving increased weaving rates and a great reduction in noise level. The cylindrical coils with ferromagnetic cores are situated at each end of the comb and connected to polarity inverting

circuits. (Reissue of the entry advised in week 9244 based on complete specification)

CHOSEN-DRAWING: Dwg.1/17

TITLE-TERMS: ELECTROMAGNET DEVICE PROJECT WEFT LOOM SOLENOID COIL
SIDE LOOM PERMANENT MAGNET SHUTTLE WEFT CARRY

DERWENT-CLASS: F03 X25

CPI-CODES: F02-A04B;

EPI-CODES: X25-T02;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1994-000009

Non-CPI Secondary Accession Numbers: N1994-000036

